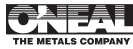


# ERW DRAWN OVER MANDREL ROUND MECHANICAL STEEL TUBING • A-513

OD AND ID TOLERANCES  
INCHES (MM)

OD Size Range	% of OD	OD, Inches		OD, Inches	
		Over	Under	Over	Under
0.625-1.699 (15.82-43.16)	All	.005(.13)	.000	.000	.005(.13)
1.700-2.099 (43.17-53.32)	All	.006(.15)	.000	.000	.006(.15)
2.100-2.499 (53.33-63.48)	All	.007(.18)	.000	.000	.007(.18)
2.500-2.899 (63.49-73.64)	All	.008(.20)	.000	.000	.008(.20)
2.900-3.299 (73.65-83.80)	All	.009(.23)	.000	.000	.009(.23)
3.300-3.699 (83.81-93.96)	All	.010(.25)	.000	.000	.010(.25)
3.700-4.099 (93.97-104.12)	All	.011(.28)	.000	.000	.011(.28)
4.100-4.499 (104.13-114.28)	All	.012(.30)	.000	.000	.012(.30)
4.500-4.899 (114.29-124.44)	All	.013(.33)	.000	.000	.013(.33)
4.900-5.299 (124.45-134.60)	All	.014(.36)	.000	.000	.014(.36)
5.300-5.549 (134.61-140.95)	All	.015(.38)	.000	.000	.015(.38)
5.550-5.999 (140.96-152.38)	Under 6 7 to 7-1/2 Over 7-1/2	.010(.25) .009(.23) .018(.46)	.010(.25) .009(.23) .000	.010(.25) .009(.23) .009(.23)	.010(.25) .099(.23) .009(.23)
6.000-6.499 (152.39-165.08)	Under 6 6 to 7-1/2 Over 7-1/2	.013(.33) .010(.25) .020(.51)	.013(.33) .010(.25) .000	.013(.33) .010(.25) .010(.25)	.013(.33) .010(.25) .010(.25)
6.555-6.999 (165.09-177.78)	Under 6 6 to 7-1/2 Over 7-1/2	.015(.38) .012(.30) .023(.58)	.015(.38) .012(.30) .000	.015(.38) .012(.30) .012(.30)	.015(.38) .012(.30) .012(.30)
7.000-7.499 (177.79-190.48)	Under 6 6 to 7-1/2 Over 7-1/2	.018(.46) .013(.33) .026(.66)	.018(.46) .013(.33) .000	.018(.46) .013(.33) .013(.33)	.018(.46) .013(.33) .013(.33)
7.500-7.999 (190.49-203.18)	Under 6 6 to 7-1/2 Over 7-1/2	.020(.51) .015(.38) .029(.74)	.020(.51) .015(.38) .000	.020(.51) .015(.38) .015(.38)	.020(.51) .015(.38) .015(.38)
8.000-8.499 (203.19-215.88)	Under 6 6 to 7-1/2 6 to 7-1/2 Over 7-1/2	.023(.58) .016(.41) .016(.41) .031(.79)	.023(.58) .016(.41) .016(.41) .000	.023(.58) .016(.41) .016(.41) .015(.38)	.023(.58) .016(.41) .016(.41) .016(.41)
8.500-8.999 (215.89-228.58)	Under 6 6 to 7-1/2 Over 7-1/2	.025(.64) .017(.43) .034(.86)	.025(.64) .017(.43) .000	.025(.64) .017(.43) .015(.38)	.025(.64) .017(.43) .019(.48)
9.000-9.499 (228.59-241.28)	Under 6 6 to 7-1/2 Over 7-1/2	.028(.71) .019(.48) .037(.94)	.028(.71) .019(.48) .000	.028(.71) .019(.48) .015(.38)	.028(.71) .019(.48) .022(.56)
9.500-9.999 (241.29-253.98)	Under 6 6 to 7-1/2 Over 7-1/2	.030(.76) .020(.51) .040(1.02)	.030(.76) .020(.51) .000	.030(.76) .020(.51) .015(.38)	.030(.76) .020(.51) .025(.64)
10.000-10.999 (253.99-279.38)	Under 6 6 to 7-1/2 Over 7-1/2	.034(.86) .022(.56) .044(1.12)	.034(.86) .022(.56) .000	.034(.86) .022(.56) .015(.38)	.034(.86) .022(.56) .029(.74)
11.000-11.999 (279.39-304.78)	Under 6 6 to 7-1/2 Over 7-1/2	.035(.89) .025(.64) .045(1.14)	.035(.89) .025(.64) .000	.035(.89) .025(.64) .015(.38)	.035(.89) .025(.64) .035(.89)
12.000-12.999 (304.79-330.18)	Under 6 7 to 7-1/2 Over 7-1/2	Under 6 7 to 7-1/2 Over 7-1/2	.036(.91) .027(.69) .000	.036(.91) .027(.69) .015(.38)	.036(.91) .027(.69) .037(.94)
13.000-13.999 (330.19-355.58)	Under 6 6 to 7-1/2 Over 7-1/2	Under 6 6 to 7-1/2 Over 7-1/2	.037(.94) .029(.74) .000	.037(.94) .029(.74) .015(.38)	.037(.94) .029(.74) .040(1.02)
14.000-15.000 (355.59-381.00)	Under 6 6 to 7-1/2 Over 7-1/2	Under 6 6 to 7-1/2 Over 7-1/2	.038(.97) .030(.76) .000	.038(.97) .030(.76) .015(.38)	.038(.97) .030(.76) .042(1.07)

**GENERAL AND TECHNICAL INFORMATION**



## E.W. DOM - ASTM A-513

### WALL TOLERANCES

WALL THICKNESS, INCH	INCL. .375 to .875 OD	OVER .875 to 1.875 OD	OVER 1.875 to 3.750 OD	OVER 3.750 to 15,000 OD
0.28 & .035	+0.02 -0.02	+0.02 -0.02	+0.02 -0.02	
.049	+0.02 -0.02	+0.02 -0.03	+0.02 -0.03	
.065	+0.02 -0.02	+0.02 -0.03	+0.02 -0.03	+0.04 -0.04
.083	+0.02 -0.02	+0.02 -0.03	+0.03 -0.03	+0.04 -0.05
.095	+0.02 -0.02	+0.02 -0.03	+0.03 -0.03	+0.04 -0.05
.109	+0.02 -0.03	+0.02 -0.04	+0.03 -0.03	+0.05 -0.05
.120	+0.03 -0.03	+0.02 -0.04	+0.03 -0.03	+0.05 -0.05
.134		+0.02 -0.04	+0.02 -0.04	+0.05 -0.05
.148		+0.02 -0.04	+0.02 -0.04	+0.05 -0.05
.165		+0.03 -0.04	+0.03 -0.04	+0.05 -0.06
.180		+0.04 -0.04	+0.04 -0.04	+0.06 -0.06
.203		+0.04 -0.05	+0.04 -0.05	+0.06 -0.07
.220			+0.04 -0.06	+0.07 -0.07
.238			+0.05 -0.06	+0.07 -0.07
.259			+0.05 -0.06	+0.07 -0.07
.284			+0.05 -0.06	+0.07 -0.07
.300			+0.06 -0.06	+0.08 -0.08
.320			+0.07 -0.07	+0.08 -0.08
.344			+0.08 -0.08	+0.09 -0.09
.375			+0.09 -0.09	+0.09 -0.09
.400			+0.10 -0.10	+0.10 -0.10
.438			+0.11 -0.11	+0.11 -0.11
.480			+0.12 -0.12	+0.12 -0.12
.531			+0.13 -0.13	+0.13 -0.13
.563			+0.13 -0.13	+0.13 -0.13
.580				+0.14 -0.14
.600				+0.15 -0.15
.650				+0.17 -0.17